

(04PREC1)

Ohio State University  
Horticulture and Crop Science

PRE CORN SAFETY TRIAL

Trial ID: 04PREC1 Study Dir.: Anthony F. Dobbels  
Location: WESTERN BRANCH F-6 Investigator: Dr. Mark M. Loux

GENERAL TRIAL INFORMATION

Study Director: Anthony F. Dobbels  
Investigator: Dr. Mark M. Loux

Conducted Under GLP (Y/N): N Conducted Under GEP (Y/N): N

Crop 1: ZEAMX CORN, FIELD Variety: DEKALKB 60-09 RR  
Planting Date: 4-20-04 Planting Method: JOHN DEERE 7200  
Rate: 32097 SEED/A Depth: 1.5 IN  
Row Spacing: 30 IN Seed Bed: CONVENTIONAL

SITE AND DESIGN

Plot Width, Unit: 10 FT Plot Length, Unit: 40 FT Reps: 4  
Tillage Type: CONVENTIONAL Study Design: RANDOMIZED COMPLETE BLOCK

MAINTENANCE

Field Prep./Maintenance: APPLIED OVERLAY OF ROUNDUP WEATHERMAX AT 22 OZ/A ON 6-8-04

SOIL DESCRIPTION

% OM: 4.4 Texture: silty clay loam  
pH: 6.2 Soil Name: Kokomo  
CEC: 15

APPLICATION DESCRIPTION

A

Application Date: 4-20-04  
Time of Day: 3:00 P.M.  
Application Method: SPRAY  
Application Timing: PRE  
Applic. Placement: BROADCAST  
Air Temp., Unit: 60 F  
% Relative Humidity: 92  
Wind Velocity, Unit: 1 SE  
Soil Temp., Unit: 63 F  
Soil Moisture: MOIST/DRY  
% Cloud Cover: 100

CROP STAGE AT EACH APPLICATION

A

Crop 1 Code, Stage: ZEAMX

APPLICATION EQUIPMENT

A

Appl. Equipment: BACKPACK  
Operating Pressure: 50  
Nozzle Type: DG  
Nozzle Size: 11002  
Nozzle Spacing, Unit: 18 IN  
Ground Speed, Unit: 3 MPH  
Carrier: WATER  
Spray Volume, Unit: 20 GPA  
Propellant: CO2

Trt No Treatment Application Comment

19 LAST THREE REPS HAVE TWO APPLICATIONS OF 112 AND 113.

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Weed Code								
Crop Code								
Part Rated								
Rating Data Type								
Rating Unit								
Rating Date								
Crop Stage								
Trt-Eval Interval								
# Subsamples, Dec.								

Trt No.	Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	1	2	3	4	5	6	7
1	A14224	3.5	qt/a	PRE	A	54	55	3	0	56	55	3
2	A14224	7	qt/a	PRE	A	55	51	4	0	55	51	2
3	LUMAX	3	qt/a	PRE	A	54	57	4	0	54	57	1
4	LUMAX	6	qt/a	PRE	A	57	58	4	3	58	58	1
5	BICEP II MAGNUM	2.6	qt/a	PRE	A	56	52	4	0	57	53	3
6	BICEP II MAGNUM	5.2	qt/a	PRE	A	53	51	3	0	54	52	2
7	EPIC	15	oz/a	PRE	A	54	55	3	0	55	56	4
8	EPIC	30	oz/a	PRE	A	55	55	5	10	55	54	2
9	HARNESS XTRA 5.6	3	qt/a	PRE	A	50	49	4	0	50	49	3
10	HARNESS XTRA 5.6	6	qt/a	PRE	A	44	38	5	0	46	39	2
11	KEYSTONE	3.2	qt/a	PRE	A	49	51	4	0	49	53	2
12	KEYSTONE	6.4	qt/a	PRE	A	49	48	6	1	50	50	3
13	GUARDSMAN MAX	2.3	qt/a	PRE	A	46	48	4	0	50	49	3
14	GUARDSMAN MAX	4.6	qt/a	PRE	A	47	48	3	0	51	49	3
15	KEYSTONE	3.2	qt/a	PRE	A	44	49	5	0	45	50	2
15	HORNET WDG	3	oz/a	PRE								
16	KEYSTONE	6.4	qt/a	PRE	A	44	45	5	0	44	47	3
16	HORNET WDG	6	oz/a	PRE								
17	HARNESS XTRA 5.6	1.5	qt/a	PRE	A	51	51	3	0	51	51	1
17	BALANCE PRO	2.25	oz/a	PRE								
18	HARNESS XTRA 5.6	3	qt/a	PRE	A	49	48	5	2	51	48	3
18	BALANCE PRO	4.5	oz/a	PRE								
19	UTC					47	48	3	1	48	49	2
LSD (P=.05)						11.1	10.9	3.2	3.0	10.8	10.8	2.7
Standard Deviation						7.8	7.7	2.2	2.1	7.6	7.7	1.9
CV						15.55	15.37	55.2	244.04	14.86	15.0	83.16
Replicate F						18.687	14.358	2.882	2.410	15.899	12.946	2.520
Replicate Prob(F)						0.0001	0.0001	0.0442	0.0769	0.0001	0.0001	0.0676
Treatment F						1.234	1.338	0.714	4.845	1.070	1.296	0.671
Treatment Prob(F)						0.2687	0.2025	0.7823	0.0001	0.4053	0.2278	0.8235

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Weed Code					SETFA	AMBEL	ABUTH	CHEAL				
Crop Code					ZEAMX	ZEAMX			ZEAMX			
Part Rated												
Rating Data Type					# CHLOROTIC	PHYTO	CONTROL	CONTROL	CONTROL	PHYTO		
Rating Unit					BOTH ROW	VISUAL	PERCENT	PERCENT	PERCENT	PERCENT		
Rating Date					5-20-04	5-27-04	5-27-04	5-27-04	5-27-04	6-14-04		
Crop Stage					2 LEAF							
Trt-Eval Interval					14 DAE	37 DA-A	37 DA-A	37 DA-A	37 DA-A	55 DA-A		
# Subsamples, Dec.					0	0	0	0	0	0		
Trt No.	Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	8	9	10	11	12	13	14
1	A14224	3.5	qt/a	PRE	A	0	0	100	100	100	100	0
2	A14224	7	qt/a	PRE	A	0	1	100	100	100	100	0
3	LUMAX	3	qt/a	PRE	A	0	1	100	100	100	100	0
4	LUMAX	6	qt/a	PRE	A	0	0	100	100	100	100	0
5	BICEP II MAGNUM	2.6	qt/a	PRE	A	0	1	100	100	100	100	0
6	BICEP II MAGNUM	5.2	qt/a	PRE	A	0	1	100	100	100	100	0
7	EPIC	15	oz/a	PRE	A	0	0	100	100	100	100	0
8	EPIC	30	oz/a	PRE	A	4	0	100	100	100	100	0
9	HARNESS XTRA 5.6	3	qt/a	PRE	A	0	0	100	100	86	100	0
10	HARNESS XTRA 5.6	6	qt/a	PRE	A	0	0	100	100	98	100	0
11	KEYSTONE	3.2	qt/a	PRE	A	0	0	100	100	99	100	0
12	KEYSTONE	6.4	qt/a	PRE	A	0	0	100	100	100	100	0
13	GUARDSMAN MAX	2.3	qt/a	PRE	A	0	0	100	100	94	100	0
14	GUARDSMAN MAX	4.6	qt/a	PRE	A	0	1	100	100	100	100	0
15	KEYSTONE	3.2	qt/a	PRE	A	0	0	100	100	100	100	0
15	HORNET WDG	3	oz/a	PRE								
16	KEYSTONE	6.4	qt/a	PRE	A	0	1	100	100	100	100	0
16	HORNET WDG	6	oz/a	PRE								
17	HARNESS XTRA 5.6	1.5	qt/a	PRE	A	0	0	100	100	100	100	0
17	BALANCE PRO	2.25	oz/a	PRE								
18	HARNESS XTRA 5.6	3	qt/a	PRE	A	1	0	100	100	100	100	0
18	BALANCE PRO	4.5	oz/a	PRE								
19	UTC					0	0	0	0	0	0	0
LSD (P=.05)						1.1	0.8	0.0	0.0	4.5	0.3	0.0
Standard Deviation						0.8	0.6	0.0	0.0	3.2	0.2	0.0
CV						313.07	285.25	0.0	0.0	3.41	0.24	0.0
Replicate F						1.453	0.486	0.000	0.000	1.032	1.000	0.000
Replicate Prob(F)						0.2375	0.6931	1.0000	1.0000	0.3858	0.4000	1.0000
Treatment F						6.212	0.714	0.000	0.000	206.718	39978.781	0.000
Treatment Prob(F)						0.0001	0.7824	1.0000	1.0000	0.0001	0.0001	1.0000